

Nuclear Data on the Internet

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The LBNL Isotopes Project has been providing nuclear data over the Internet since 1995. Home pages are supported for the *Table of Isotopes*, Isotope Explorer software, Nuclear Science References, radioactive decay, high-spin and nuclear structure, nuclear structure systematics, nuclear astrophysics, thermal neutron capture, spontaneous fission, atomic masses, nuclear moments, elemental properties, atomic data, interaction of radiation with matter, Q-value calculations, and science education.

These home pages are maintained on the server "ie.lbl.gov", a PC(NT) computer managed by the Isotopes Project. The Nuclear Science Reference file (NSR) and the Evaluated Nuclear Structure Data File (ENSDF) databases provided on our servers are obtained from the National Nuclear Data Center (NNDC) at Brookhaven National Laboratory. The NSR file is then indexed at LBNL and organized for rapid dissemination on the WWW.

Both Isotope Explorer and NSR Server send requests to the Isotopes Project server for data and references. The Isotopes Project Nuclear Data Dissemination home page can be found at <http://ie.lbl.gov/toi.html>.

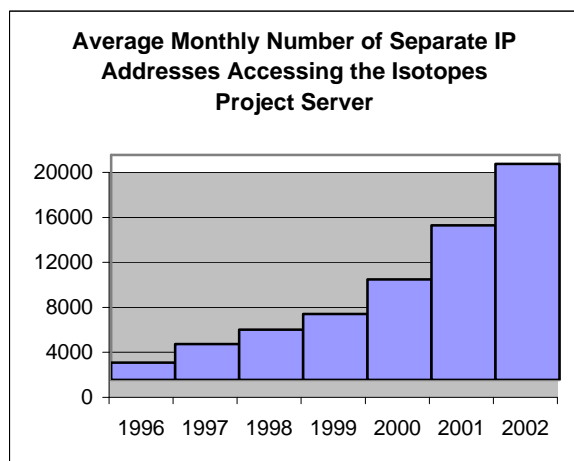


Figure 1. Average number of users per month, 1996 through 2002.

Usage of Isotopes Project Internet nuclear data services grew dramatically in 2002. Currently, about 19,000 different users make approximately 900,000 data requests per month. Over 2,200,000 ENSDF isotope data files were requested in 2002. A summary of 1996-2002 usage data is shown in figures 1-3.

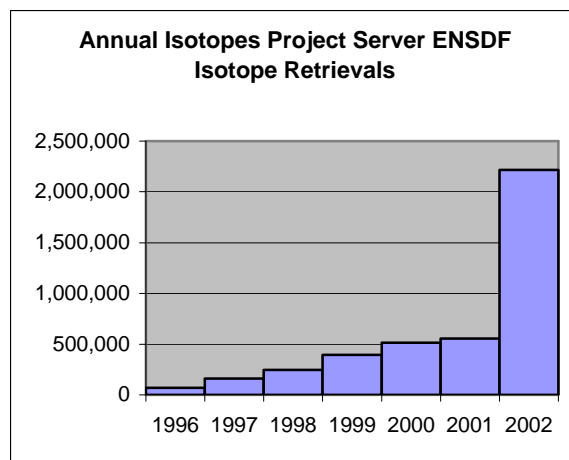


Figure 2. ENSDF usage per year since 1996.

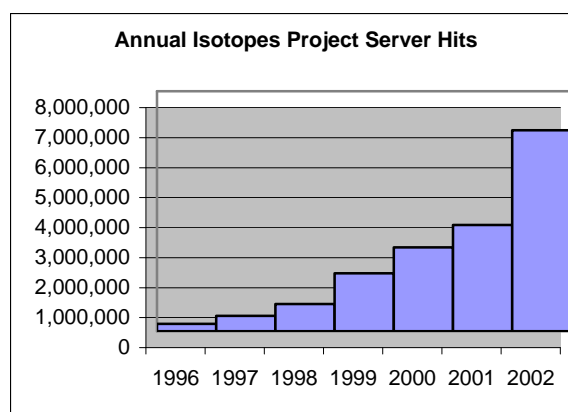


Figure 3. Total server hits per year since 1996